

Machine Id HC-2205 Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

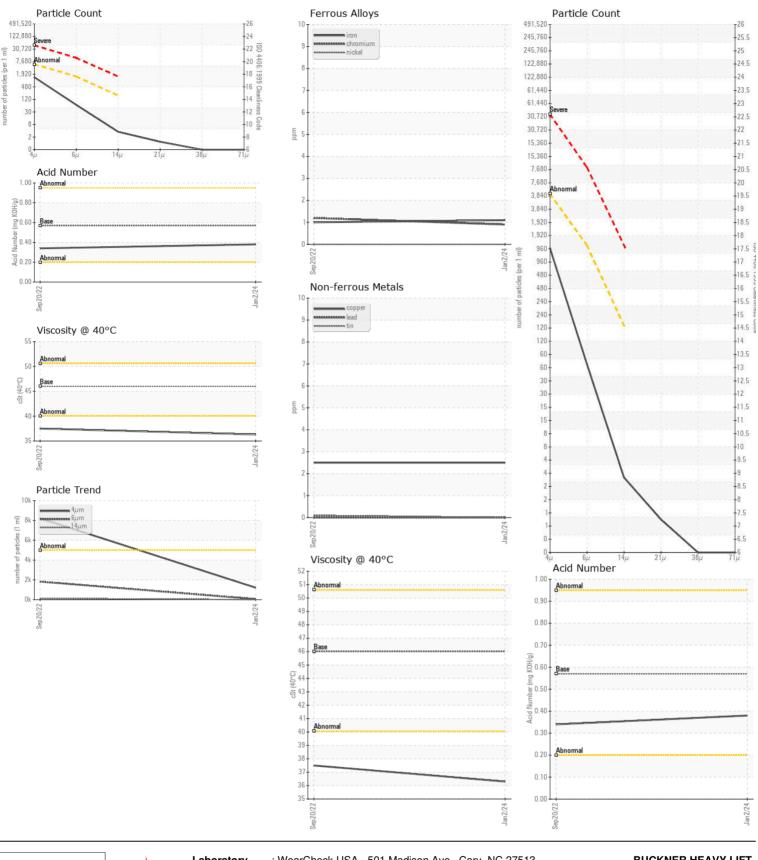
The amount and size of particulates present in the system are acceptable.

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FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0873368	WC0720475	
Sample Date		Client Info		02 Jan 2024	20 Sep 2022	
Machine Age	hrs	Client Info		7825	6950	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Filter Changed		Client Info		Changed	N/A	
Sample Status				NORMAL	ATTENTION	
Iron	ppm	ASTM D5185m	>20	1	1	
Chromium	ppm	ASTM D5185m	>10	<1	1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	1.5	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	2	2	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	<1	2	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	ppiii	WC Method	>0.1	NEG	NEG	
Particles >4µm		ASTM D7647	>5000	1207	▲ 8211	
Particles >6µm		ASTM D7647	>1300	58	▲ 1819	
Particles >14µm		ASTM D7647	>160	3	128	
Particles >21µm		ASTM D7647	>40	1	35	
Particles >38µm		ASTM D7647	>10	0	1	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/13/9	▲ 20/18/14	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Sodium	ppm	ASTM D5185m		0	0	
Boron	ppm	ASTM D5185m		1	0	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	5	0	<1	
Manganese	ppm	ASTM D5185m	0.5	0	0	
Magnesium	ppm	ASTM D5185m	25	0	7	
Calcium	ppm	ASTM D5185m	200	83	115	
Phosphorus	ppm	ASTM D5185m	300	309	390	
Zinc	ppm	ASTM D5185m	370	405	504	
Sulfur	ppm	ASTM D5185m	2500	1823	2541	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.38	0.34	
Visc @ 40°C	cSt	ASTM D445	46	36.3	37.5	



BUCKNER HEAVY LIFT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0873368 Recieved : 30 Jan 2024 4732 NC 54 EAST Lab Number GRAHAM, NC :06073825 Diagnosed : 31 Jan 2024 : 10855916 : Angela Borella US 27253-9215 **Unique Number** Diagnostician Test Package : CONST Contact: MICHAEL LAWSON Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. michaell@bucknercompanies.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (336)376-8888 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (336)376-4090

Contact/Location: MICHAEL LAWSON - BUCGRA

Page 2 of 2